

CD8b Monoclonal Antibody (eBioH35-17.2 (H35-17.2)), PerCP-eFluor™ 710, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2b, kappa
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), PerCP-eFluor™ 710, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioH35-17.2 (H35-17.2)
Conjugate	PerCP-eFluor™ 710
Excitation/Emission Max	482/708 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10669709

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.06 µg/test	12 Publications

Product Specific Information

Description: The eBioH35-17.2 monoclonal antibody reacts with the mouse CD8 beta molecule. The CD8 beta chain associates with the CD8 alpha chain to form the CD8 alpha/beta heterodimer expressed on the surface of a majority of thymocytes, and on peripheral cytotoxic alpha beta TCR T cells. CD8 binds to MHC class I and plays a role in T cell development and activation of mature T cells.

Applications Reported: This eBioH35-17.2 (H35-17.2) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBioH35-17.2 (H35-17.2) antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.06 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm); it can be used in place of PerCP-Cyanine5.5. We recommend using a 710/50 bandpass filter, however, the 695/40 bandpass filter is an acceptable alternative. Please make sure that your instrument is capable of detecting this fluorochrome.

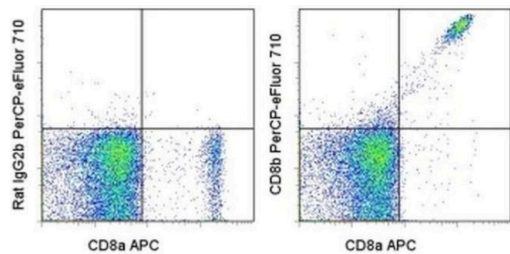
Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific

performance should be determined empirically.

Excitation: 488 nm; Emission: 710 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD8b Monoclonal Antibody (eBioH35-17.2 (H35-17.2)), PerCP-eFluor™ 710, eBioscience™



CD8b Antibody (46-0083-82) in Flow
Staining of C57Bl/6 splenocytes with Anti-Mouse CD8a APC (Product # 17-0081-82) and 0.06 µg of Rat IgG2b K Isotype Control PerCP-eFluor® 710 (Product # 46-4031-82) (left) or 0.06 µg of Anti-Mouse CD8b PerCP-eFluor® 710 (right). Total viable cells were used for analysis.

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12 References

Flow Cytometry (12)

Cell	Year 2021
Endogenous retroviruses promote homeostatic and inflammatory responses to the microbiota.	Species Mouse
"46-0083-82 was used in Flow Cytometry to determine response to chemical signalling caused by endogenous retrovirus in skin microbiota."	
Authors: Lima-Junior DS,Krishnamurthy SR,Bouladoux N,Collins N,Han SJ,Chen EY,Constantinides MG,Link VM,Lim AI,Enamorado M,Cataisson C,Gil L,Rao I,Farley TK,Koroleva G,Attig J,Yuspa SH,Fischbach MA,Kassiotis G,Belkaid Y	
Journal of translational medicine	Year 2018
CD8⁺ T cells mediate the antitumor activity of frankincense and myrrh in hepatocellular carcinoma.	Species Mouse
"46-0083 was used in Flow cytometry/Cell sorting to investigate whether extract of frankincense and myrrh down regulates the inflammatory microenvironment of hepatocellular carcinoma, thereby restoring antitumour immune responses."	
Authors: Xu C,Lu X,Liu W,Chen A,Meng G,Zhang H,Li B,Zhang Y,Wu J,Wei J	

View more Flow references on thermofisher.cn

More applications with references on thermofisher.cn

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